

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for providing financial assurance for decommissioning a nuclear power facility via an insurance policy, the method comprising the steps of:
supplying, by an insurer, the insurance policy to a trust, said insurance policy includes a predetermined monetary premium payable to said insurer;
receiving said premium by said insurer from said trust; and
paying by said insurer, in accordance with terms of said insurance policy, actual decommission expenses to said trust between a policy inception date and a policy termination date, to provide financial assurance for decommissioning said facility
wherein said premium is calculated by:

- (a) determining a plurality of scenarios, wherein each scenario is based on said decommissioning starting on a different time schedule, and wherein each scenario has a monetary sum;
- (b) determining a net present value (NPV) of expected decommissioning expenses for each said scenario;
- (c) determining a risk transfer element for each said scenario, said risk transfer element being an NPV of unexpected expenses multiplied by a probability of actual occurrence;
- (d) determining insurer expenses for each said scenario, said insurer expenses being an NPV of expected expenses incurred by an insurer of said facility;
- (e) adding the monetary value of steps (b), (c), and (d), for each scenario, to calculate said monetary sum of each said scenario; and
- (f) adjusting said monetary sum of each said scenario, so that each said monetary sum is substantially equal,
wherein said premium of said insurance policy is based on the adjusted sum.

2. (Original) The method of claim 1, further comprising the step of investing, by said insurer, the received premium in a financial instrument.

3. (Original) The method of claim 2, wherein said step of paying actual decommission expenses pays said trust using proceeds at least in part from the invested premium.
4. (Canceled) The method of claim 1, wherein said premium is calculated by:
- (a) determining a plurality of scenarios, wherein each scenario is based on the decommission starting on a different time schedule, and wherein each scenario has a monetary sum;
 - (b) determining a net present value (NPV) of expected decommissioning expenses for each said scenario;
 - (c) determining a risk transfer element for each said scenario, said risk transfer element being an NPV of unexpected expenses multiplied by a probability of actual occurrence;
 - (d) determining insurer expenses for each said scenario, said insurer expenses being an NPV of expected expenses incurred by an insurer of said facility;
 - (e) adding the monetary value of steps (b), (c), and (d), for each scenario, to calculate said monetary sum of each said scenario; and
 - (f) adjusting said monetary sum of each said scenario, so that each said monetary sum is substantially equal,
- wherein said premium of said insurance policy is based on the adjusted sum.
5. (Original) The method of claim 1, wherein said step of paying pays said actual decommission expenses to said trust, between the policy inception and termination dates, based on a predetermined time schedule, wherein said predetermined time schedule includes a plurality of stages.
6. (Original) The method of claim 5, wherein said stages include a first, second, and third stage, wherein said first stage includes a time period for removing spent fuel and disconnecting operating systems from said facility, said second stage includes a time period for dismantling all equipment and buildings of said facility, except a

reactor core and its shielding, and said third stage includes a time period removing all materials with radioactivity levels above a predetermined limit.

7. (Original) The method of claim 1, wherein said insurance policy is an existing insurance policy between said policy inception and termination dates.
8. (Original) The method of claim 1, wherein said trust is one of a qualified or non-qualified trust.
9. (Original) The method of claim 1, wherein the step of paying further pays, in accordance with said terms of said insurance policy, unexpected decommissioning expenses.
10. (Original) The method of claim 1, wherein said premium is received in one of a onetime payment or a series of periodic payments.

Claims 11-37 (Canceled).

38. (New) The method of claim 1, wherein at least one of steps (a)-(f) is performed with a computer.